

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Request for 30-Day STA Using Fillmore, CA Earth Station E4132 for GSAT-19 LEOP

I. Applicant

| | | | |
|-------------------|---|----------------------|-----------------------------|
| Name: | Intelsat License LLC | Phone Number: | 703-559-7848 |
| DBA Name: | | Fax Number: | 703-559-8539 |
| Street: | c/o Intelsat Corporation 7900 Tysons One Place | E-Mail: | susan.crandall@intelsat.com |
| City: | McLean | State: | VA |
| Country: | USA | Zipcode: | 22102 -5972 |
| Attention: | Susan H. Crandall | | |



Application: Intelsat License LLC
File No.: SES-STA-20170315-00276
Call Sign: E4132
Special Temporary Authority

Intelsat License LLC is granted a special temporary authority (STA), for 30 days, beginning April 28, 2017, to operate its C-band earth station, call sign E4132, in Fillmore, California to provide launch and early orbit phase (LEOP) services for the GSAT-19 satellite at 45.0° E.L. licensed by India, using the following center frequencies: 6410.860 MHz and 6412.912 MHz (RHCP) (Earth-to-space) and 4186.848 MHz and 4190.976 MHz (LHCP) (space-to-Earth) under the following conditions;

1. All operations must be within the coordinated emission and power limits.
2. The LEOP operations must be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path. All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs. Currently the 24x7 contact information for the GSAT-19 satellite LEOP mission is as follows: Ph.: (703) 559-7701 -East Coast Operations Center (primary); (310) 525-5591- West Coast Operations Center (back-up). Request to speak with Harry Burnham or Kevin Bell.
3. All operations shall be on an unprotected and non-harmful interference basis, Intelsat License LLC, E4132, shall not cause harmful interference to, and shall not claim protection from interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.
4. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.
5. This STA can only be used to provide launch and early orbit phase ("LEOP") services for the GSAT-19 satellite.
6. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. §0.261, and is effective immediately."


30 days *with conditions"*

File # SES-STA-20170315-00276

Call Sign E4132 **Grant Date** 04/18/2017
(or other identifier)

Term Dates
From 04/28/2017 **To** 05/28/2017

Approved: Paul E. Blair





INTELSAT.

Envision. Connect. Transform.

March 15, 2017

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: Request for Special Temporary Authority
Fillmore, California Earth Station E4132

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 30 days, commencing April 28, 2017, to use its Fillmore, California C-band earth station—call sign E4132—to provide launch and early orbit phase (“LEOP”) services for the GSAT-19 satellite.² GSAT-19 is expected to be launched on April 28, 2017.³ The LEOP period is expected to last approximately 10 days.⁴

The GSAT-19 LEOP operations will be performed at the following frequencies: 6410.896 MHz and 6412.912 MHz in the uplink (RHCP), and 4186.848 MHz and 4190.976 MHz in the downlink (LHCP). The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁵ All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs.

The 24x7 contact information for the GSAT-19 LEOP mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)
(310) 525-5591 – West Coast Operations Center (back-up)

Request to speak with Harry Burnham or Kevin Bell.

¹ Intelsat has filed its STA request, an FCC Form 159, a \$200.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² Intelsat is also concurrently seeking an STA for E040125 to support the LEOP of GSAT-19.

³ The in-orbit testing and final location for GSAT-19, which Intelsat understands is licensed by India, will be at 45.0° E.L.

⁴ Intelsat is seeking authority for 30 days to accommodate a possible launch delay.

⁵ Indian Space Research Organisation (“ISRO”), the manager of the GSAT-19 mission, will handle the coordination.

Ms. Marlene H. Dortch
March 15, 2017
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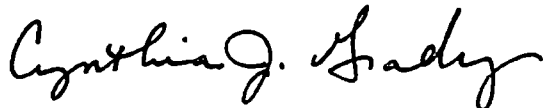
In further support of this request, Intelsat herewith attaches Exhibits A and B, which contain technical information that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility, as well as a waiver request. In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

Finally, Intelsat clarifies that during the GSAT-19 LEOP mission, ISRO will serve as the mission manager. ISRO will build and send the commands to the Intelsat antenna, which will process and execute the commands. Telemetry received by Intelsat will be forwarded to ISRO. Intelsat will perform the ranging sessions by sending a tone to the spacecraft periodically. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA request will allow Intelsat to help launch the GSAT-19 satellite and thereby promotes the public interest.

Please direct any questions regarding this STA request to the undersigned at (703) 559-6949.

Respectfully submitted,



Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais

2. Contact

| | | | |
|-------------------|-----------------------|----------------------|----------------------------|
| Name: | Cynthia J. Grady | Phone Number: | 703-559-6949 |
| Company: | Intelsat Corporation | Fax Number: | 703-559-8539 |
| Street: | 7900 Tysons One Place | E-Mail: | cynthia.grady@intelsat.com |
| City: | McLean | State: | VA |
| Country: | USA | Zipcode: | 22102 -5972 |
| Attention: | | Relationship: | Legal Counsel |

(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)

3. Reference File Number or Submission ID

4a. Is a fee submitted with this application?

- If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).
- Governmental Entity Noncommercial educational licensee
- Other (please explain):

4b. Fee Classification CGX - Fixed Satellite Transmit/Receive Earth Station**5. Type Request**

- Use Prior to Grant Change Station Location Other

6. Requested Use Prior Date**7. City Fillmore**

8. Latitude
(dd mm ss.s h) 34 24 22.0 N

| | |
|--|---|
| 9. State CA | 10. Longitude (dd mm ss.s h) 118 53 34.0 W |
| 11. Please supply any need attachments. Attachment 1: STA Request Attachment 2: Exhibit A Attachment 3: Exhibit B | |
| 12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;">Intelsat License LLC herein requests a grant of Special Temporary Authority for 30 days, commencing April 28, 2017, to use its Fillmore, California C-band earth station, call sign E4132, to provide launch and early orbit phase services for the GSAT-19 satellite. GSAT-19 is expected to be launched on April 28, 2017.</div> | |
| 13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application"; for these purposes. <input checked="" type="radio"/> Yes <input type="radio"/> No | |
| 14. Name of Person Signing Cynthia J. Grady | 15. Title of Person Signing Regulatory Counsel, Intelsat Corporation |
| WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503). | |

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